

Docket No.: WOLFRUM
Serial No.: 09/669,236

17. (Amended) A method for detecting the amplification of DNA and/or RNA sequences comprising:

a) providing a sample containing at least a DNA or an RNA sequence amplification reaction mixture ~~which is free of fluorescent additives;~~

b) inputting light into said sample;

c) detecting a scattered light intensity produced by said sample with a detector;

d) treating said sample under conditions suitable for amplifying at least DNA or RNA sequences in order to produce such amplified at least DNA or RNA sequences;

e) determining the amplification of ~~the at least~~ DNA or RNA sequences in the sample from an increase of the scattered light intensity, scattered exclusively by DNA or RNA.

CFR 1.121 18/21

(Re-presented) The method of claim 17, wherein the sample is excited by a source, which is a light source selected from the group consisting of a lamp, a laser and an LED.

CFR 1.121 19/22

(Re-presented) The method of claim 17, wherein the sample contains impurities, in particular, foreign DNA and/or RNA sequences.

CFR 1.121 20/23

(Re-presented) The method of claim 17, wherein the quantities of products and/or educts are determined for known initial or end concentrations of products and/or educts.